

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008239.D
 Acq On : 20 Mar 2019 14:00
 Operator : JC/SP
 Sample : K1963-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB02-20190314

Quant Time: Mar 22 05:30:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	333595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	548564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	465541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186573	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	236940	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
35) Dibromofluoromethane	5.50	113	173564	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
50) Toluene-d8	8.71	98	673063	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.13	95	215716	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	

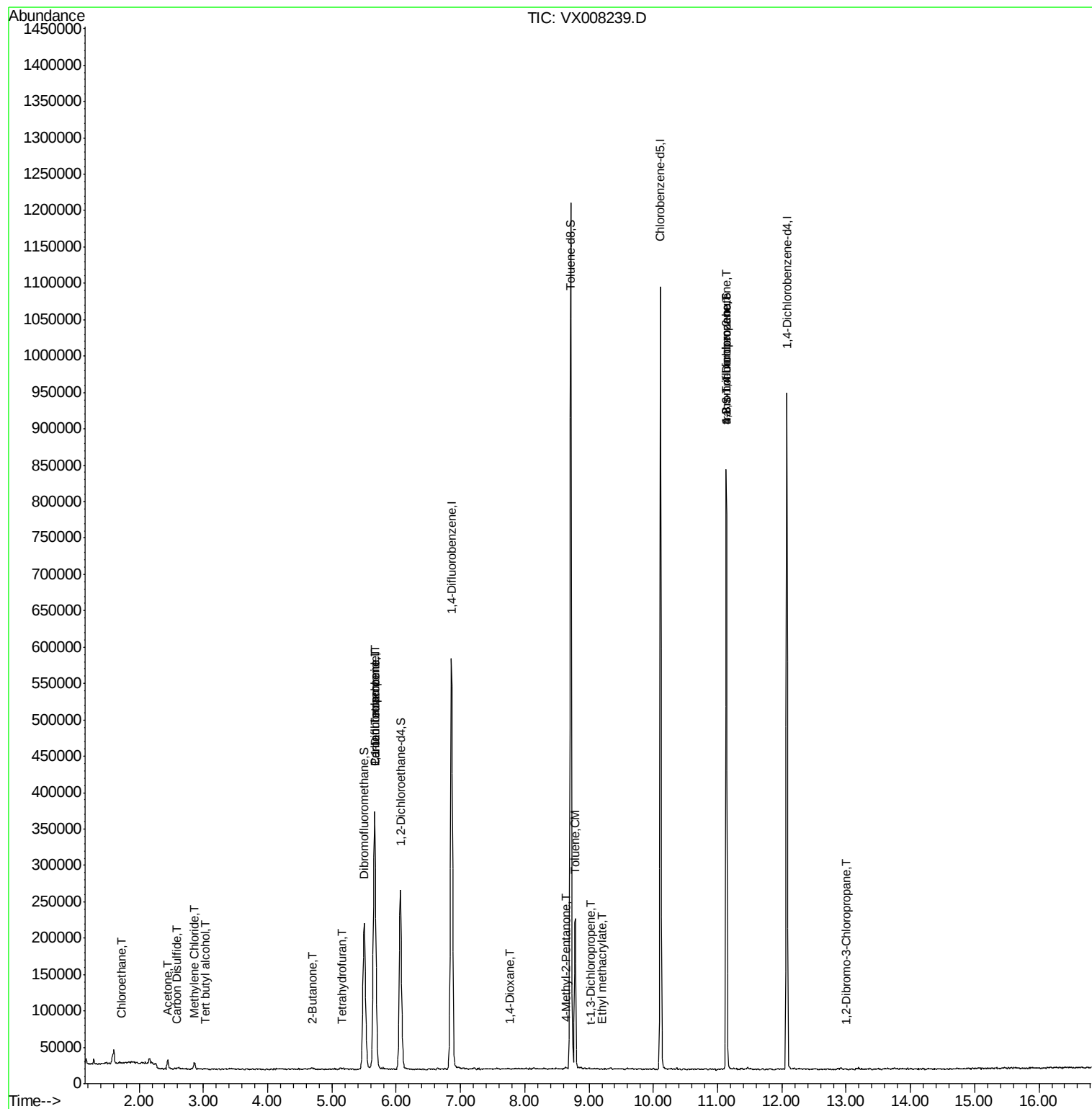
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	1080	0.340	ug/l #	67
11) Tert butyl alcohol	3.04	59	799	0.743	ug/l #	81
13) Acrolein	2.29	56	161	Below Cal		85
16) Acetone	2.45	43	13512	4.742	ug/l	93
17) Carbon Disulfide	2.58	76	903	0.743	ug/l #	64
20) Methylene Chloride	2.87	84	4502	0.947	ug/l	94
25) 2-Butanone	4.69	43	3106	0.738	ug/l	92
29) Tetrahydrofuran	5.15	42	1993	0.758	ug/l #	79
36) 1,1-Dichloropropene	5.67	75	26886	4.210	ug/l #	49
38) Carbon Tetrachloride	5.67	117	32553	5.720	ug/l #	17
49) 1,4-Dioxane	7.76	88	109	0.960	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1650	0.211	ug/l #	59
52) Toluene	8.79	92	76445	6.817	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	124	1.438	ug/l #	39
56) Ethyl methacrylate	9.20	69	173	0.547	ug/l #	79
76) 1,2,3-Trichloropropane	11.13	75	111394	21.228	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	111394	53.997	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	266	0.201	ug/l #	1

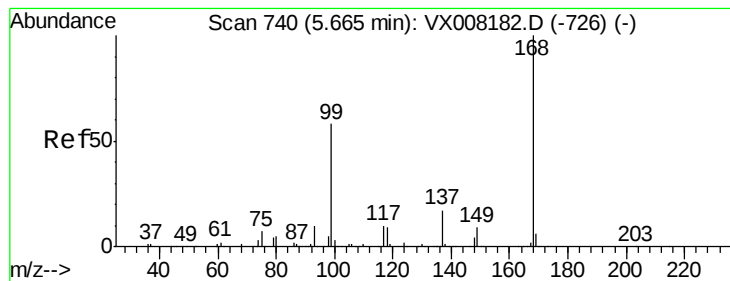
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

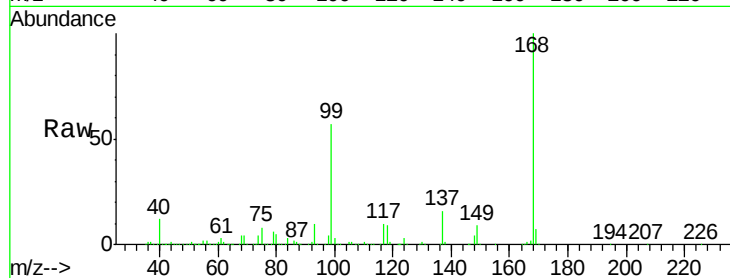
BP-EB02-20190314

Tot Ion:168 Resp: 333595

Ion Ratio Lower Upper

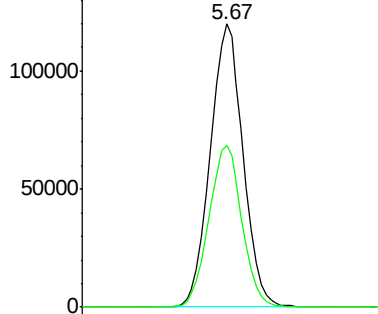
168 100

99 57.3 37.6 56.4#

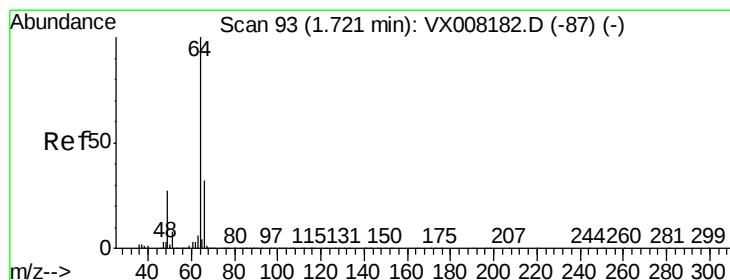
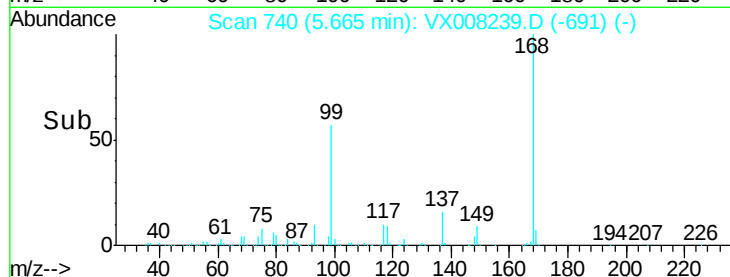


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.340 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008239.D

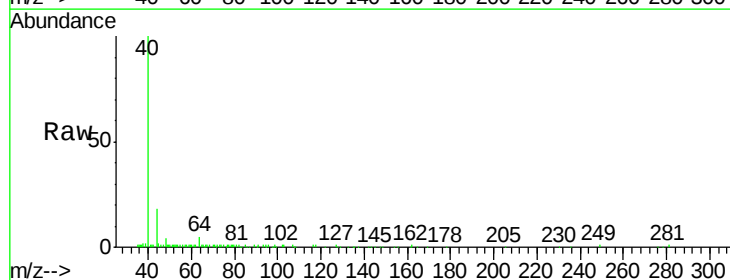
Acq: 20 Mar 2019 14:00

Tgt Ion: 64 Resp: 1080

Ion Ratio Lower Upper

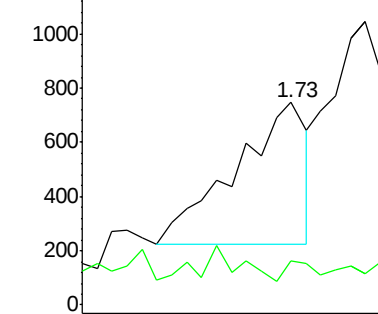
64 100

66 13.2 25.2 37.8#

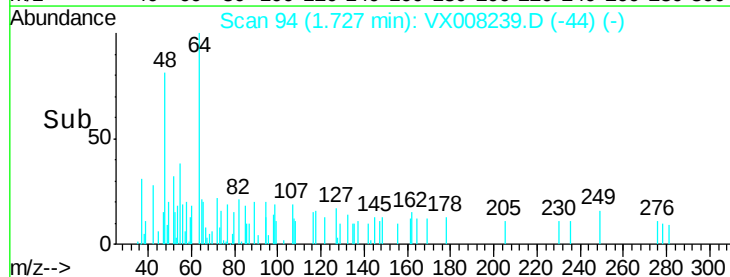


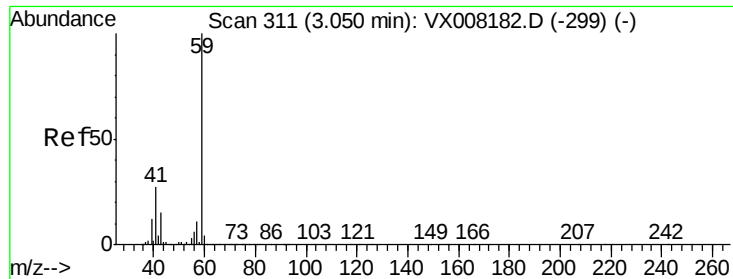
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time--> 1.65 1.70 1.75

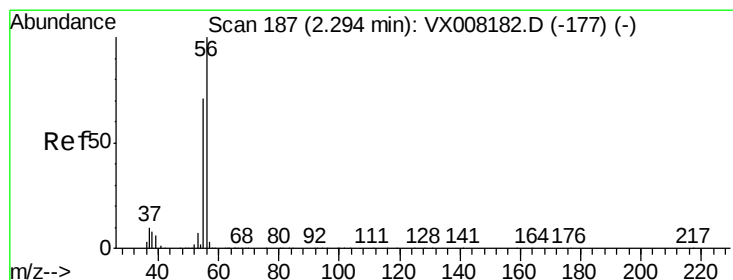
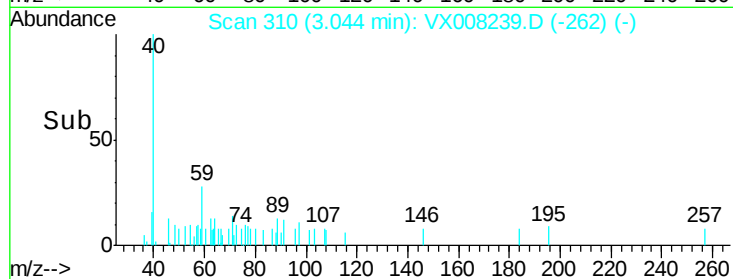
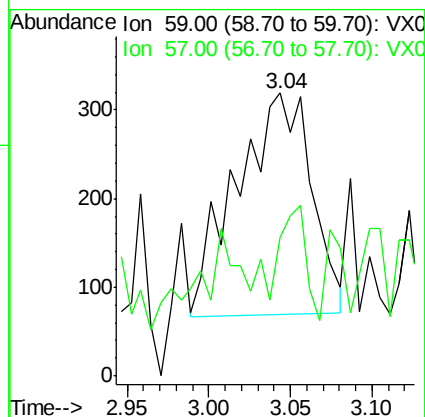
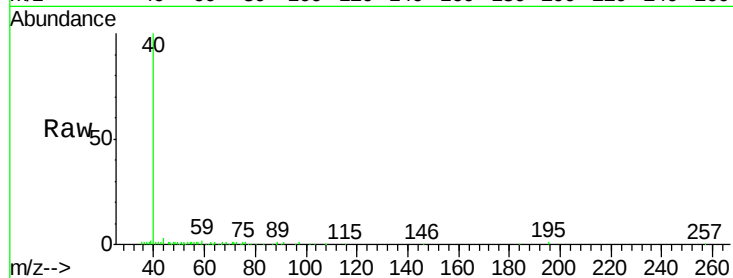




#11
Tert butyl alcohol
Concen: 0.743 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008239.D
Acq: 20 Mar 2019 14:00

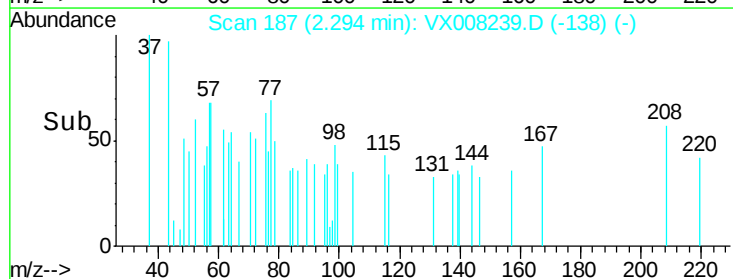
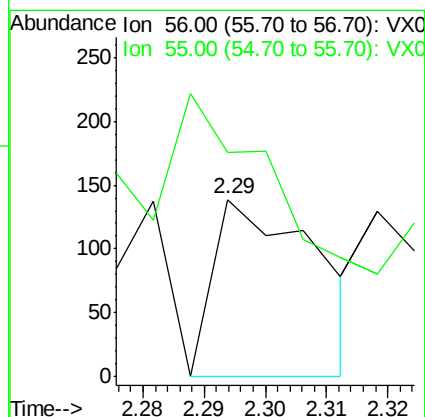
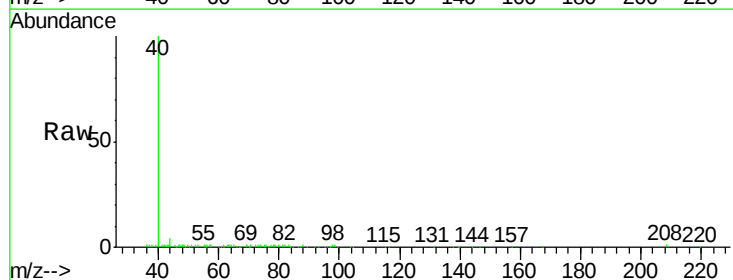
Instrument :
MSVOA_X
ClientSampleId :
BP-EB02-20190314

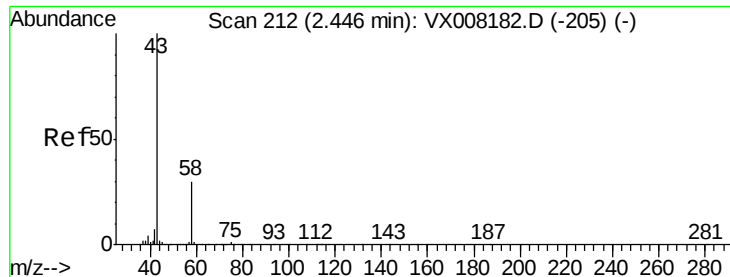
Tot Ion: 59 Resp: 799
Ion Ratio Lower Upper
59 100
57 17.4 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008239.D
Acq: 20 Mar 2019 14:00

Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 85.1 57.8 86.6





#16

Acetone

Concen: 4.742 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

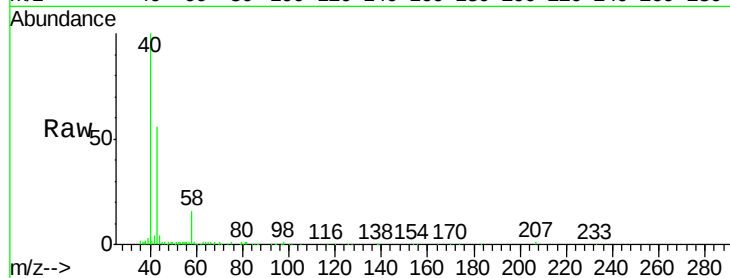
BP-EB02-20190314

Tot Ion: 43 Resp: 13512

Ion Ratio Lower Upper

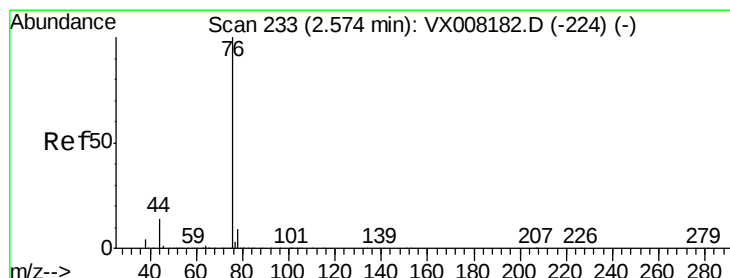
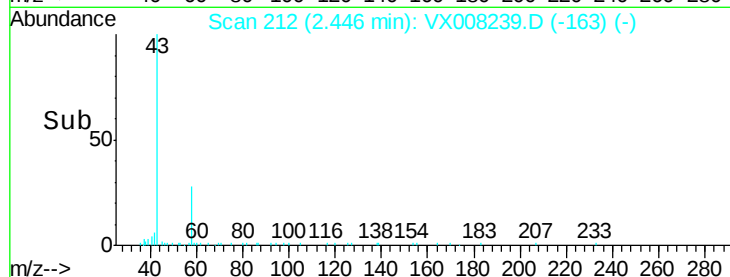
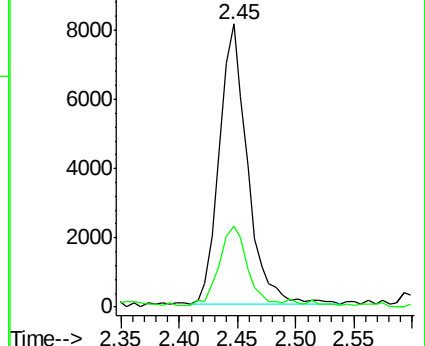
43 100

58 28.2 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.743 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008239.D

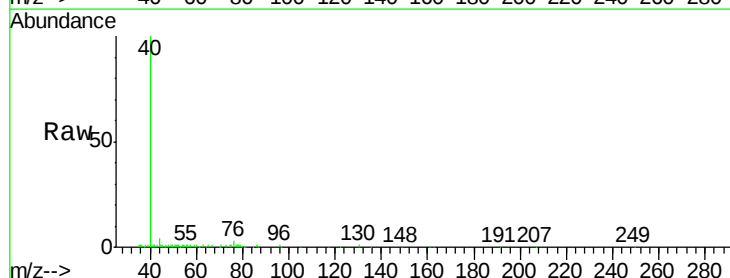
Acq: 20 Mar 2019 14:00

Tgt Ion: 76 Resp: 903

Ion Ratio Lower Upper

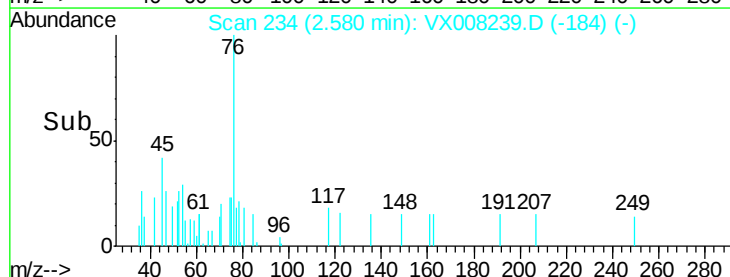
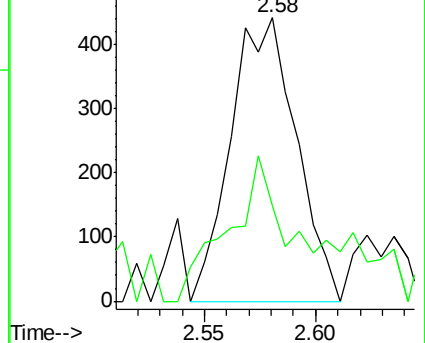
76 100

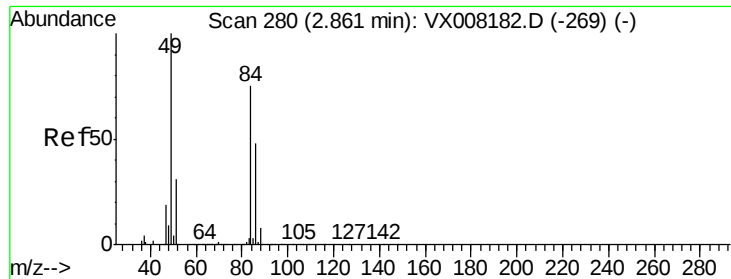
78 21.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

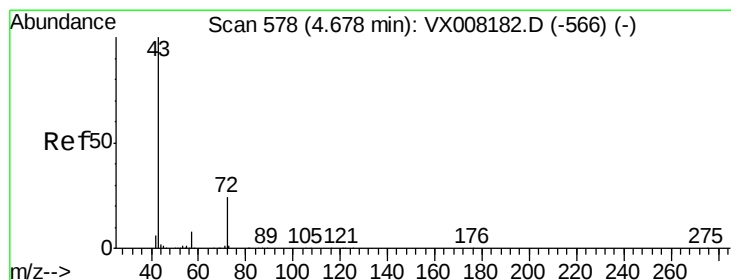
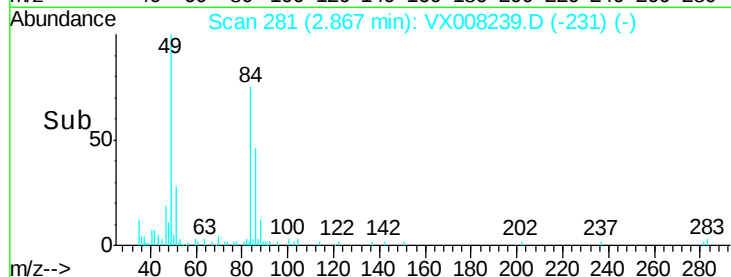
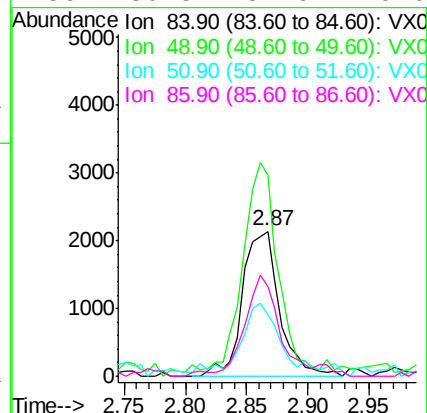
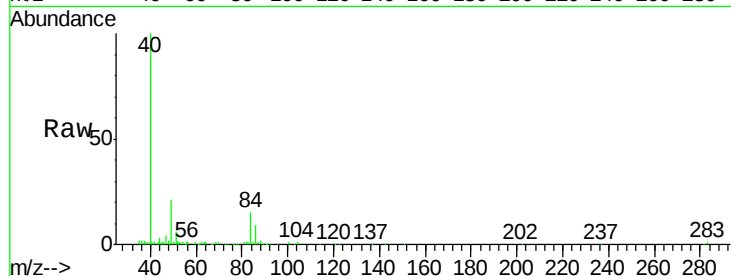




#20
Methvlene Chloride
Concen: 0.947 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008239.D
Acq: 20 Mar 2019 14:00

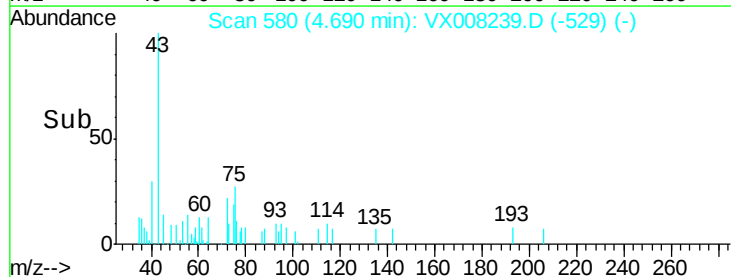
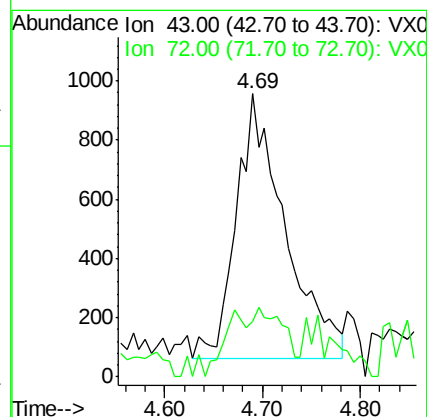
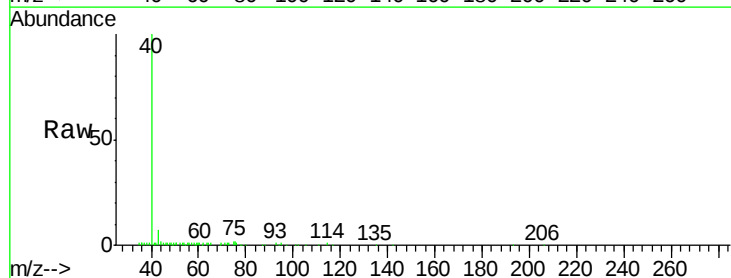
Instrument :
MSVOA_X
ClientSampleId :
BP-EB02-20190314

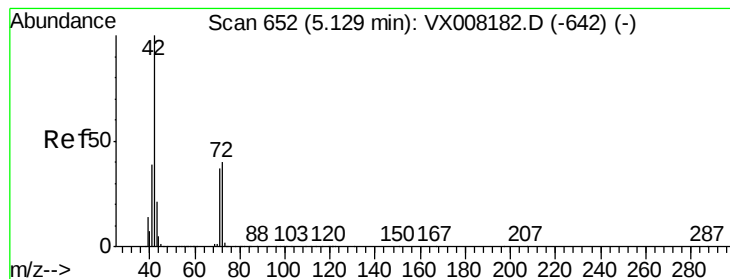
Tot Ion:	84	Resp:	4502
Ion	Ratio	Lower	Upper
84	100		
49	131.1	99.3	148.9
51	39.8	31.3	46.9
86	59.5	52.6	79.0



#25
2-Butanone
Concen: 0.738 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.01 min
Lab File: VX008239.D
Acq: 20 Mar 2019 14:00

Tgt Ion:	43	Resp:	3106
Ion	Ratio	Lower	Upper
43	100		
72	20.9	19.9	29.9





#29

Tetrahydrofuran

Concen: 0.758 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

BP-EB02-20190314

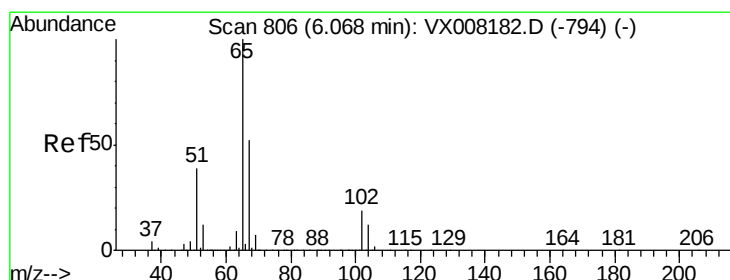
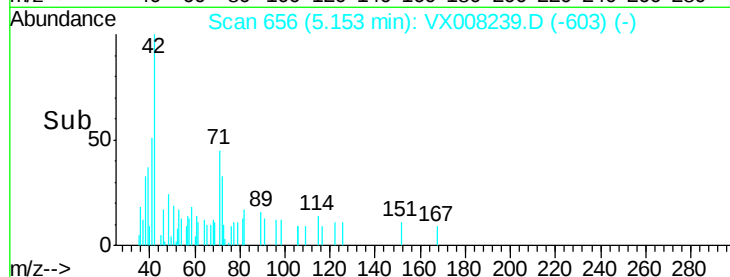
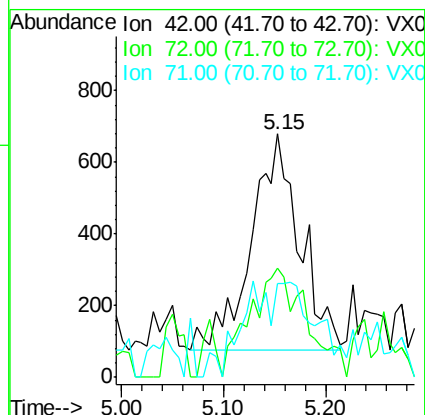
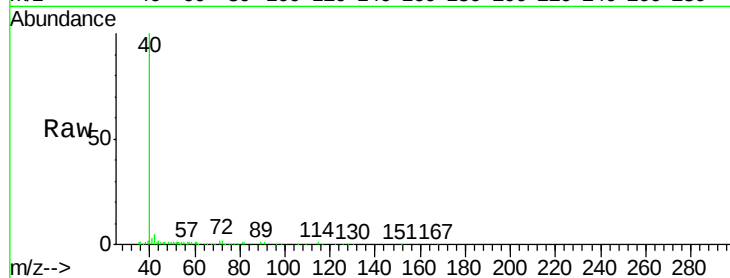
Tot Ion: 42 Resp: 1993

Ion Ratio Lower Upper

42 100

72 59.1 33.8 50.6#

71 30.2 31.5 47.3#



#33

1,2-Dichloroethane-d4

Concen: 47.159 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008239.D

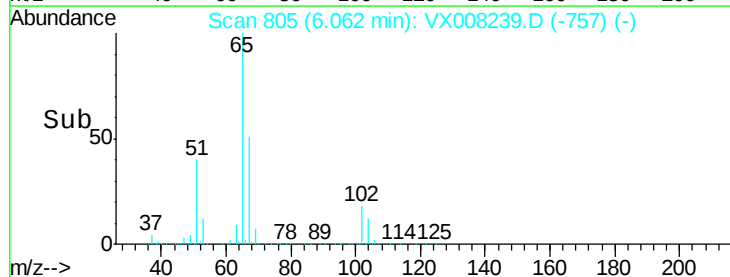
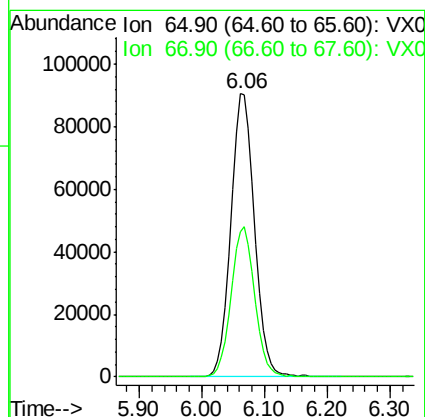
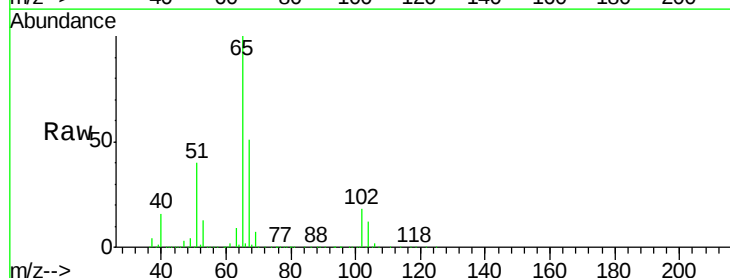
Acq: 20 Mar 2019 14:00

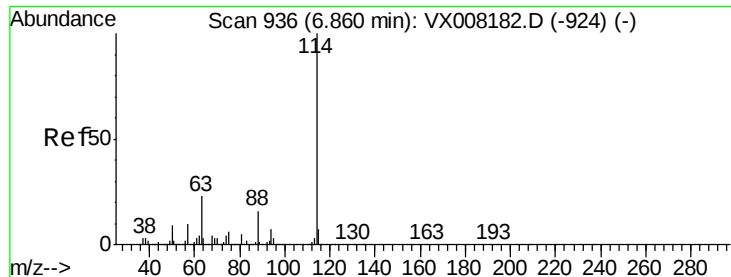
Tgt Ion: 65 Resp: 236940

Ion Ratio Lower Upper

65 100

67 52.5 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

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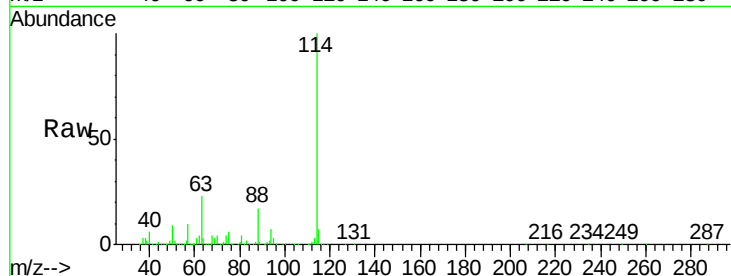
Tot Ion:114 Resp: 548564

Ion Ratio Lower Upper

114 100

63 23.3 0.0 39.8

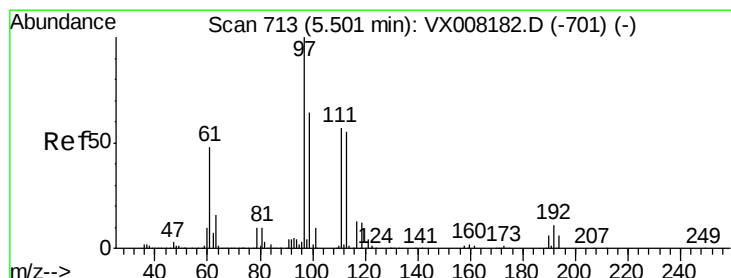
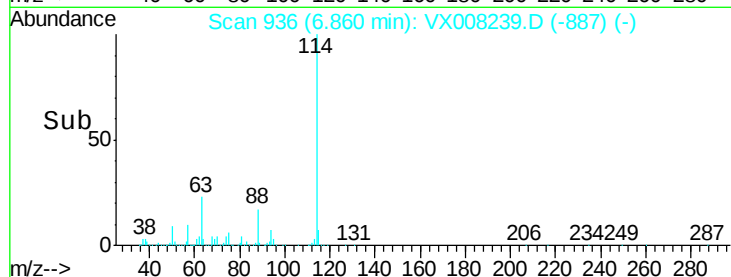
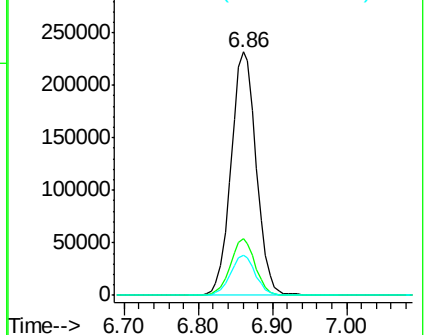
88 16.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.263 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

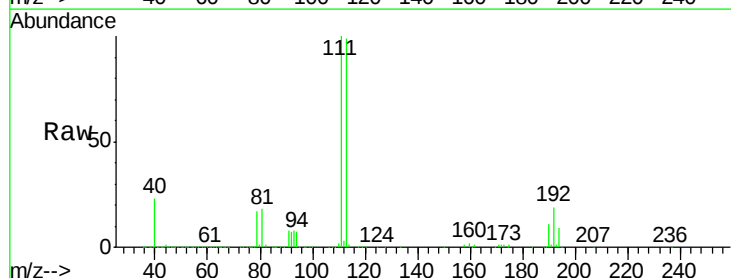
Tgt Ion:113 Resp: 173564

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

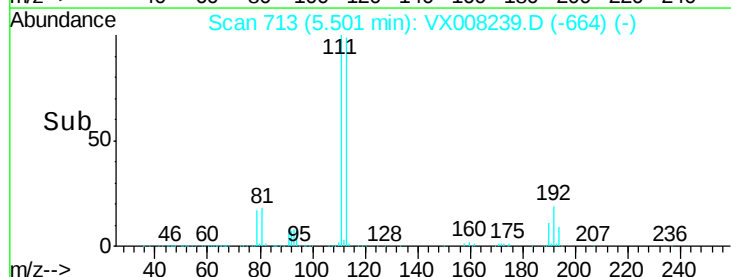
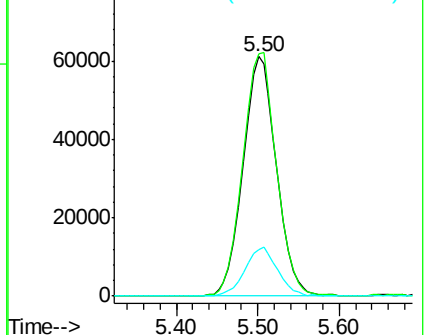
192 20.2 19.4 29.0

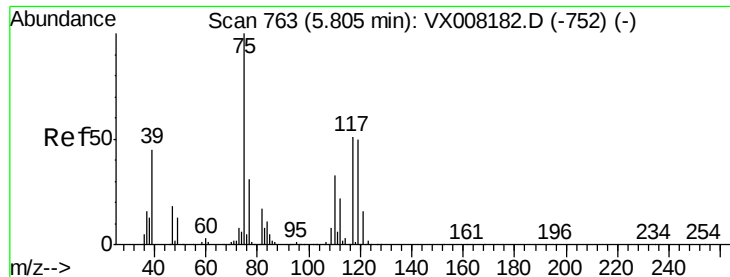


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.210 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

BP-EB02-20190314

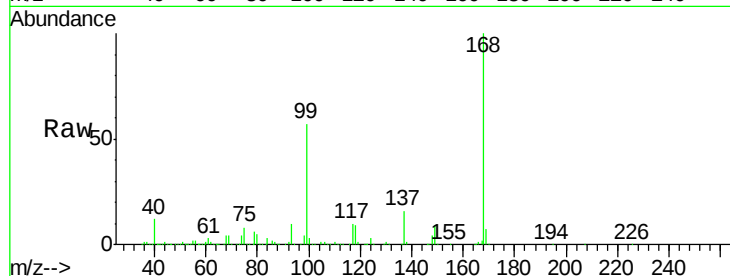
Tot Ion: 75 Resp: 26886

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

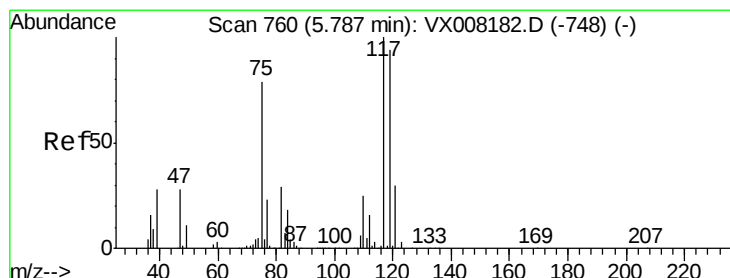
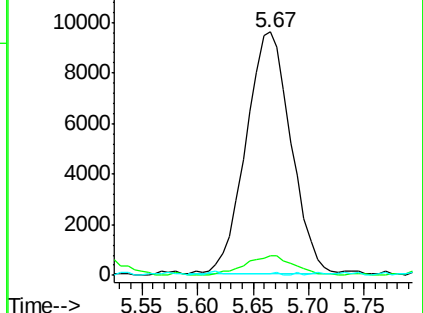
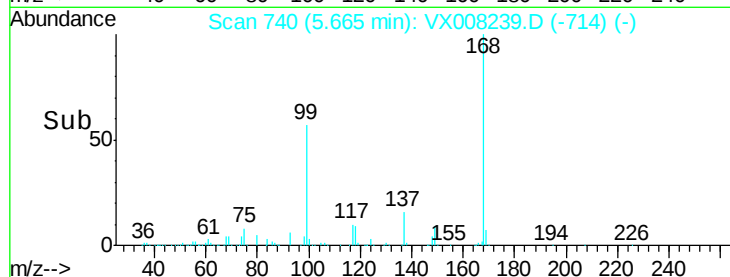
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.720 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

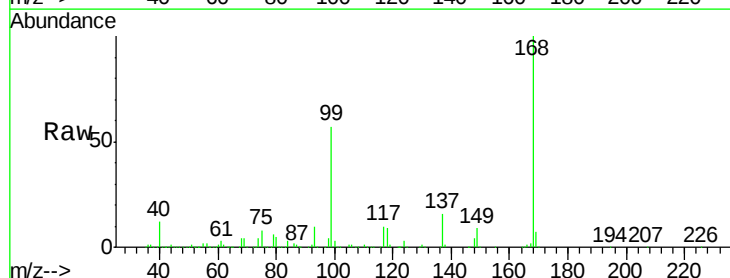
Tgt Ion: 117 Resp: 32553

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.2#

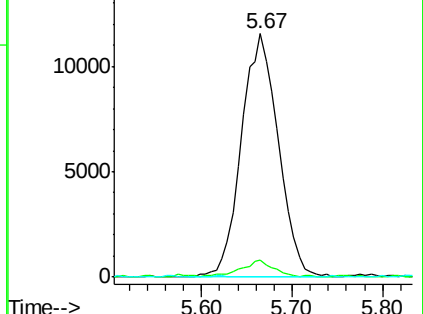
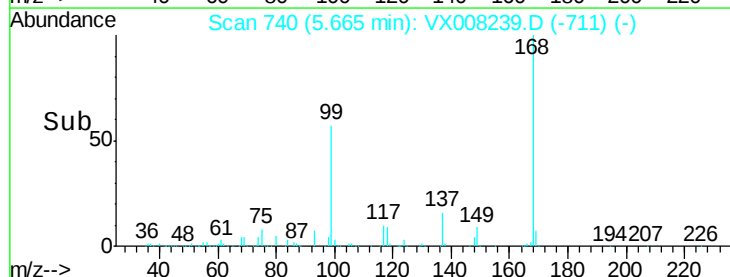
121 0.0 24.6 36.8#

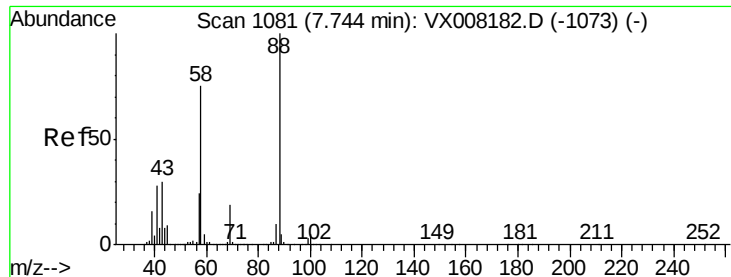


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

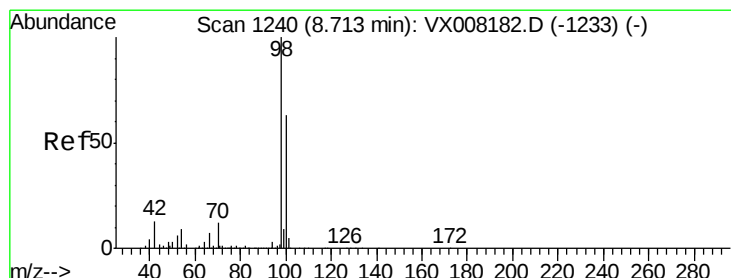
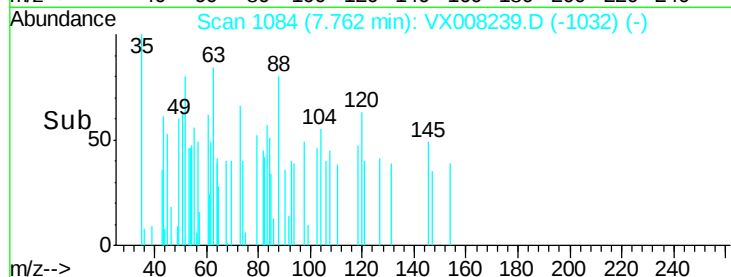
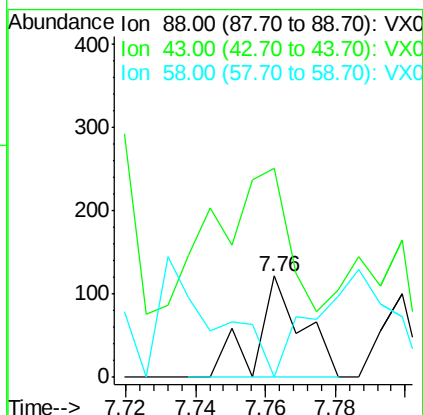
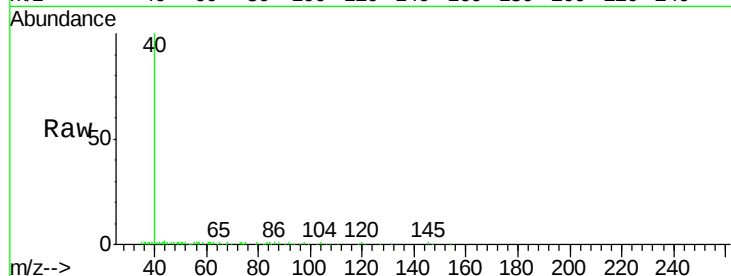




#49
1,4-Dioxane
Concen: 0.960 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX008239.D
Acq: 20 Mar 2019 14:00

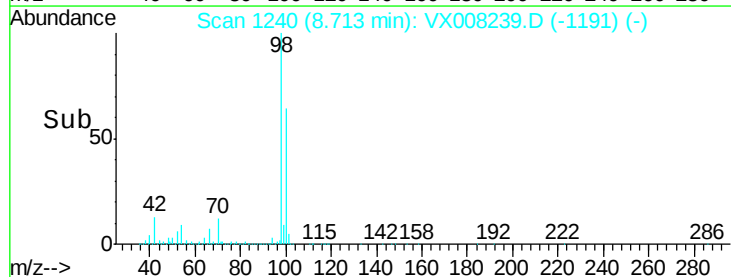
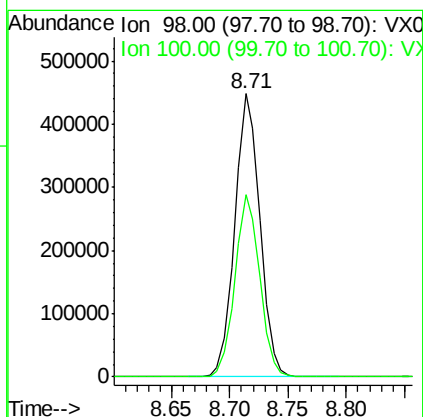
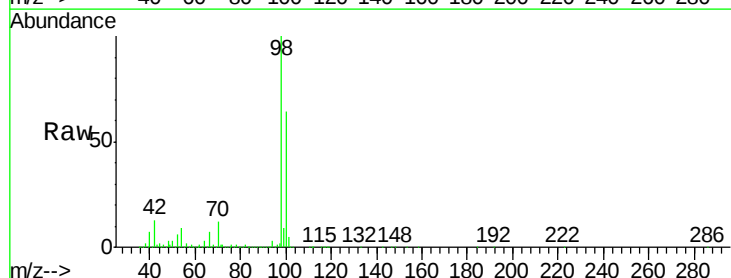
Instrument :
MSVOA_X
ClientSampleId :
BP-EB02-20190314

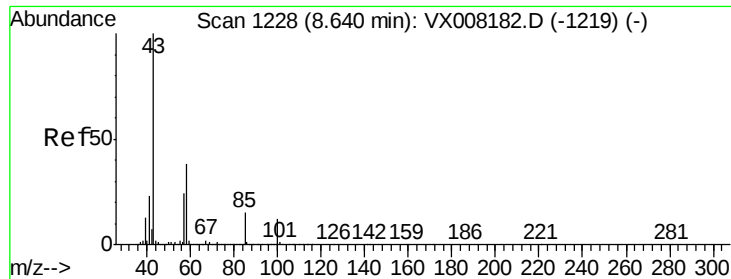
Tot Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 233.0 25.1 37.7#
58 0.0 57.8 86.6#



#50
Toluene-d8
Concen: 48.342 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008239.D
Acq: 20 Mar 2019 14:00

Tgt Ion: 98 Resp: 673063
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.211 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

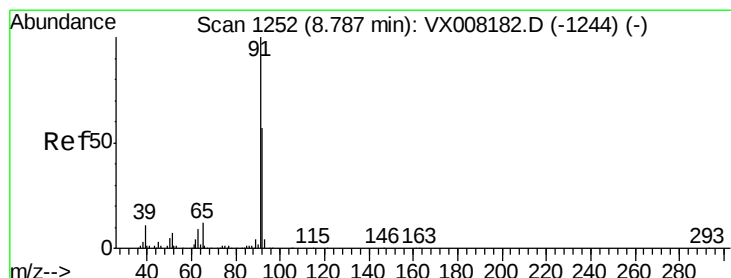
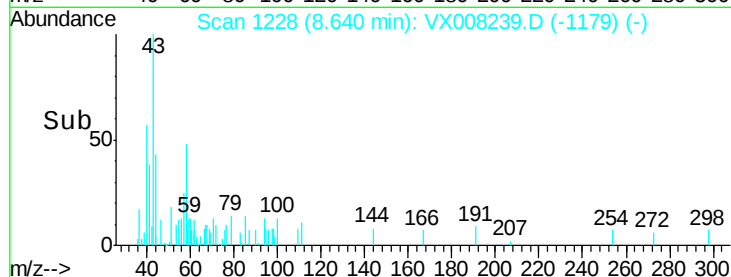
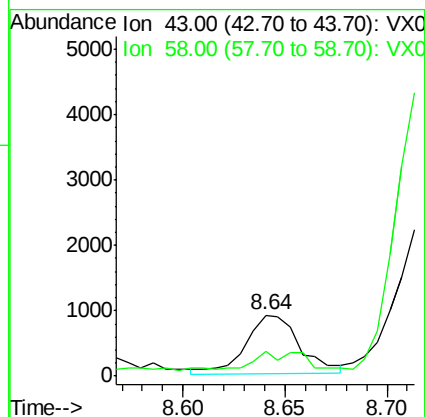
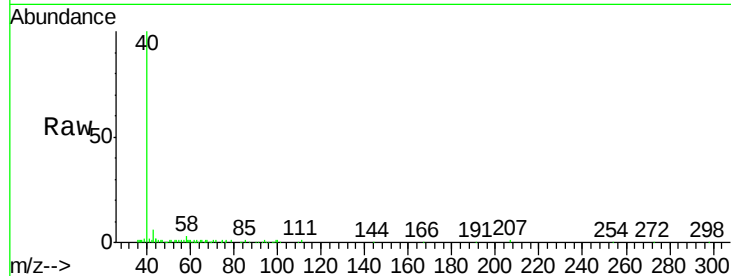
BP-EB02-20190314

Tot Ion: 43 Resp: 1650

Ion Ratio Lower Upper

43 100

58 14.2 31.3 46.9#



#52

Toluene

Concen: 6.817 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008239.D

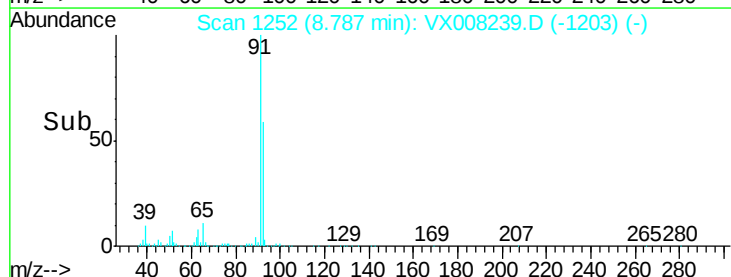
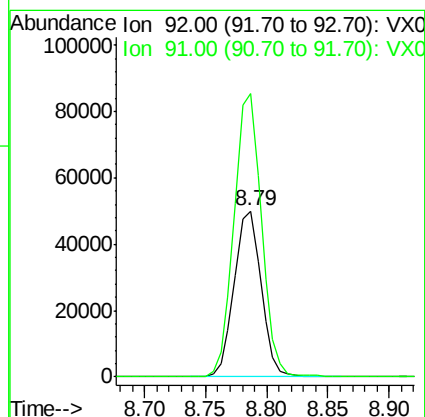
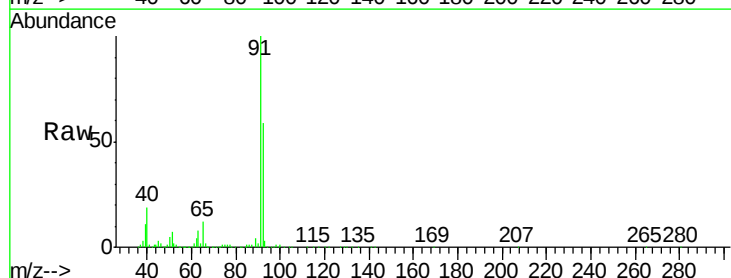
Acq: 20 Mar 2019 14:00

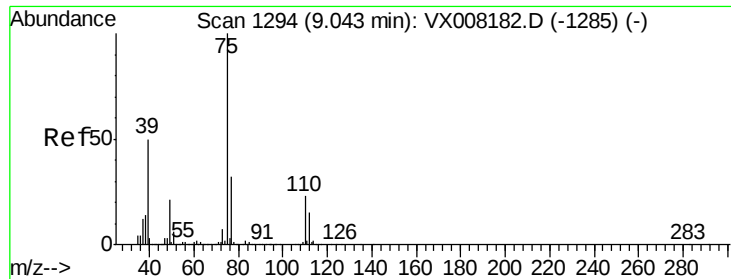
Tgt Ion: 92 Resp: 76445

Ion Ratio Lower Upper

92 100

91 173.1 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 1.438 ug/l

RT: 9.03 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

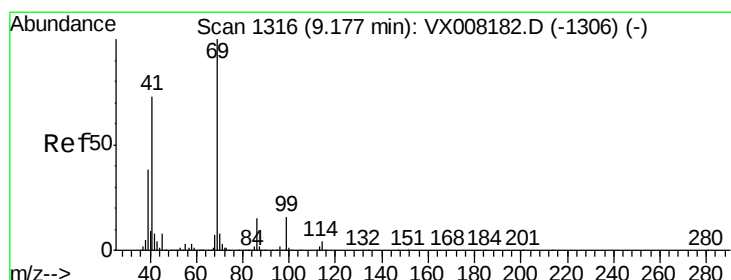
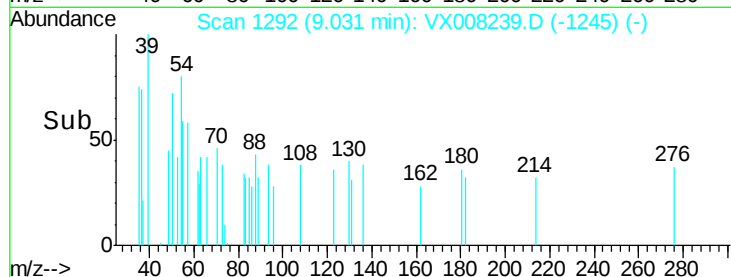
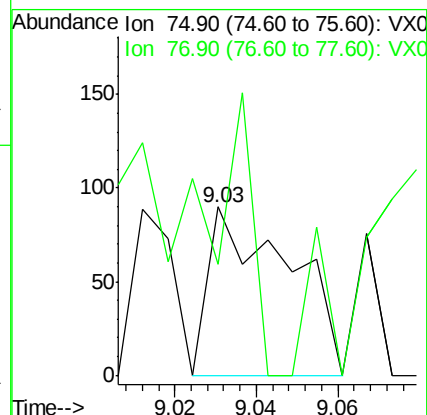
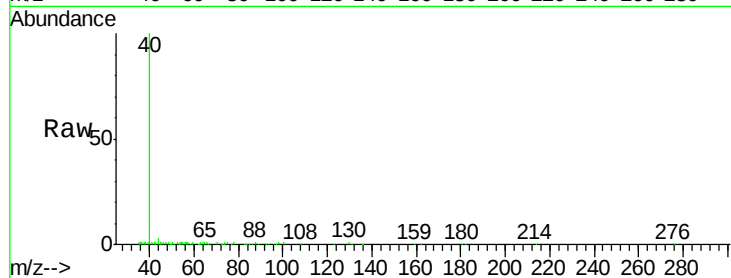
BP-EB02-20190314

Tot Ion: 75 Resp: 124

Ion Ratio Lower Upper

75 100

77 65.6 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.547 ug/l

RT: 9.20 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

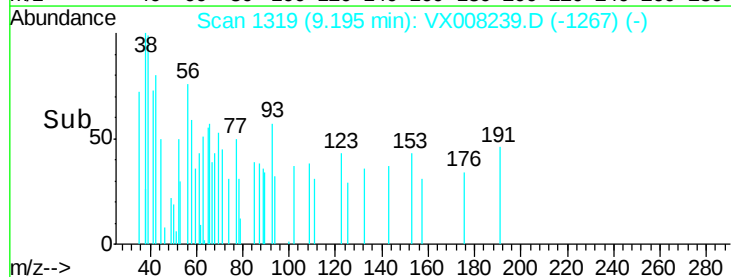
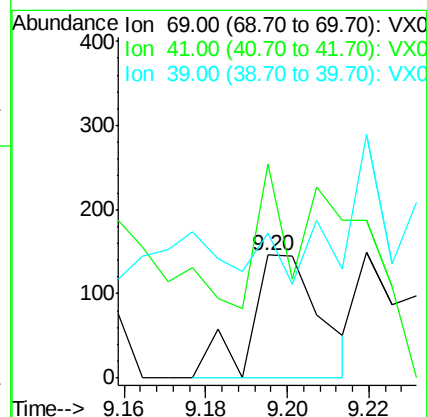
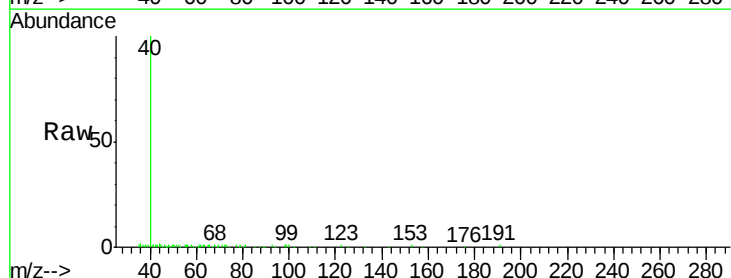
Tgt Ion: 69 Resp: 173

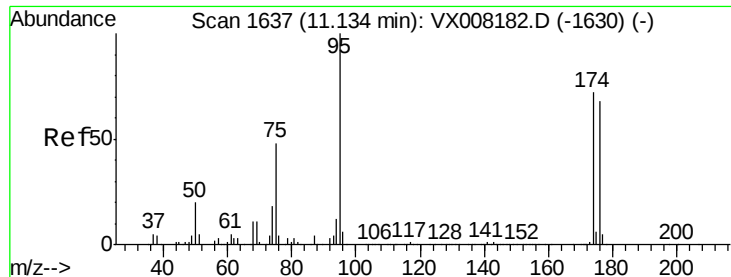
Ion Ratio Lower Upper

69 100

41 43.4 54.2 81.4#

39 30.1 25.0 37.4





#62

4-Bromofluorobenzene

Concen: 44.998 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

BP-EB02-20190314

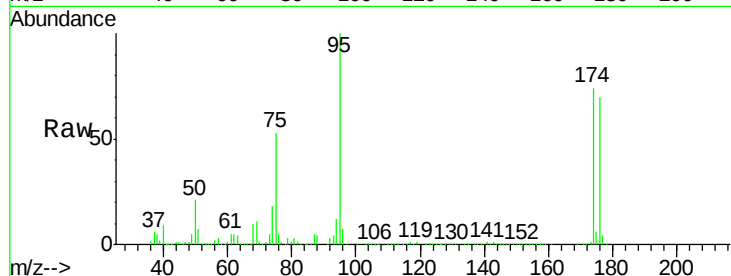
Tot Ion: 95 Resp: 215716

Ion Ratio Lower Upper

95 100

174 78.6 0.0 182.8

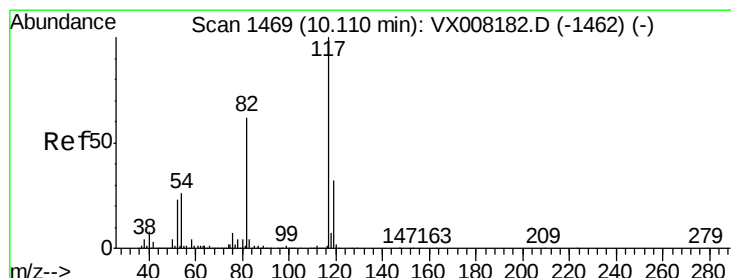
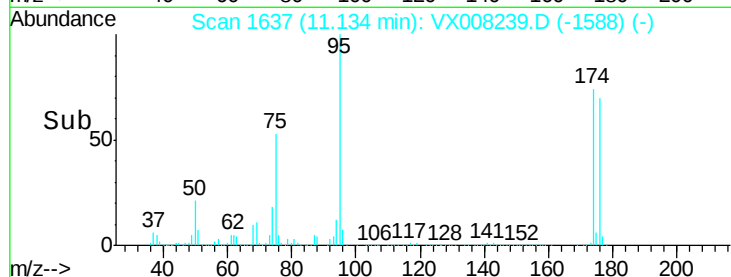
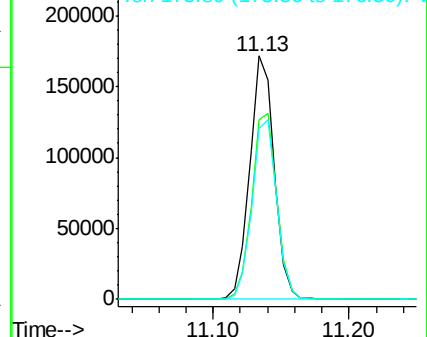
176 75.5 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008239.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008239.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008239.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

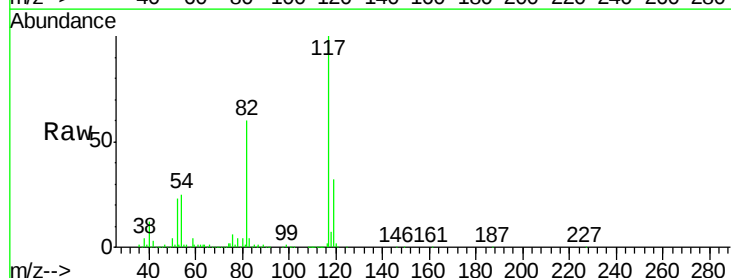
Tgt Ion: 117 Resp: 465541

Ion Ratio Lower Upper

117 100

82 60.3 44.3 66.5

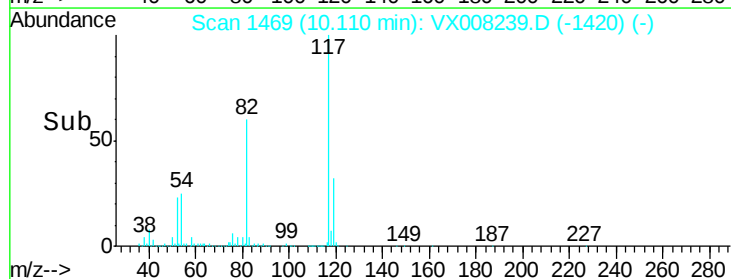
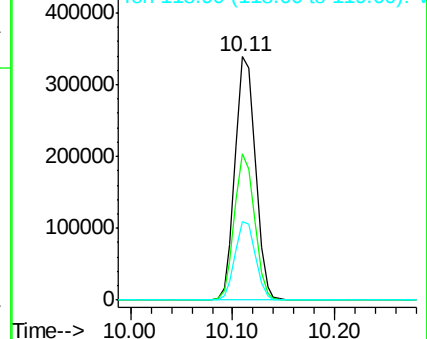
119 32.0 25.3 37.9

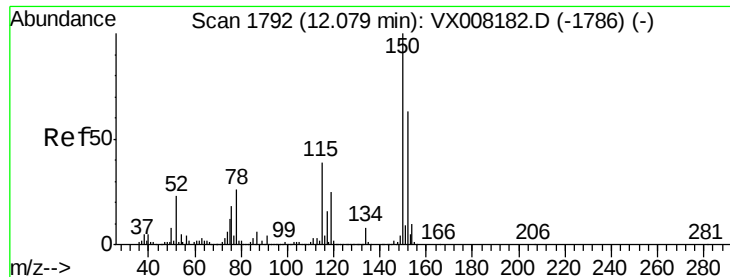


Abundance Ion 116.90 (116.60 to 117.60): VX008239.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008239.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008239.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

BP-EB02-20190314

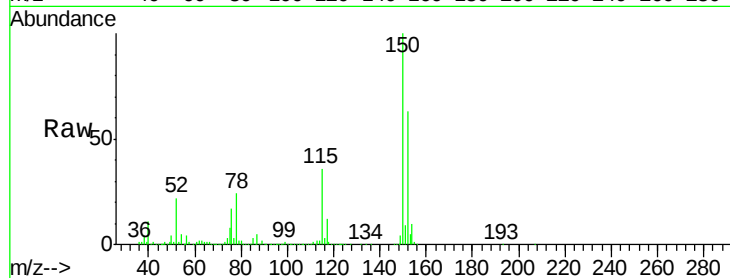
Tot Ion:152 Resp: 186573

Ion Ratio Lower Upper

152 100

115 60.2 38.6 115.7

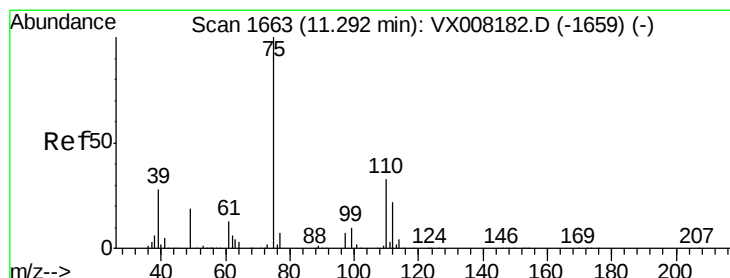
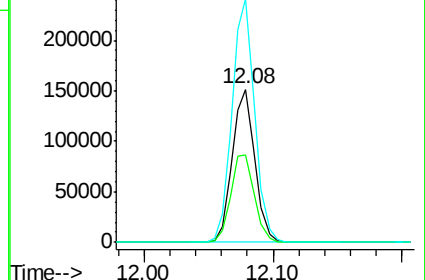
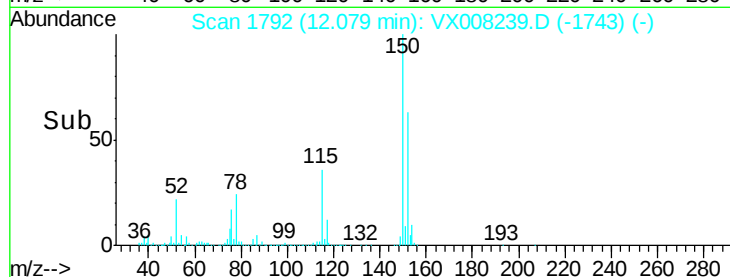
150 158.8 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.228 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008239.D

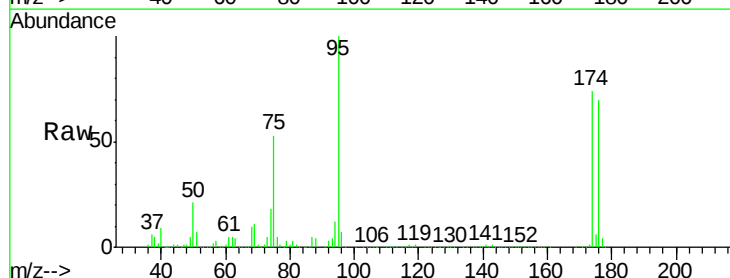
Acq: 20 Mar 2019 14:00

Tgt Ion: 75 Resp: 111394

Ion Ratio Lower Upper

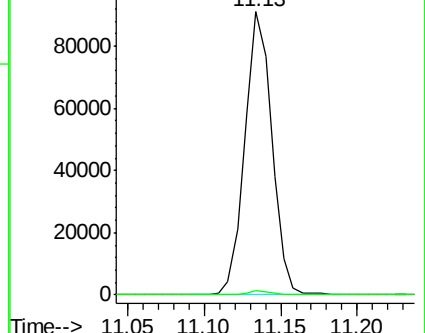
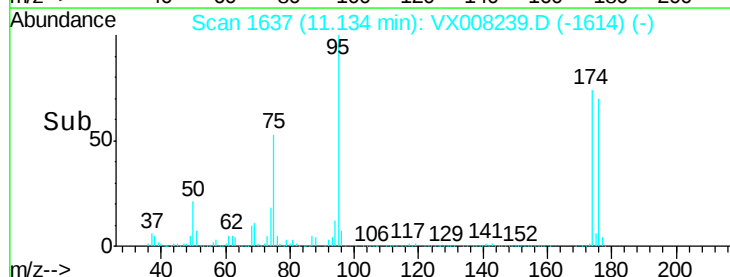
75 100

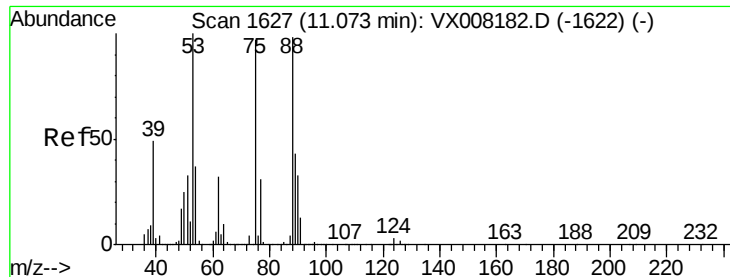
77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.997 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

BP-EB02-20190314

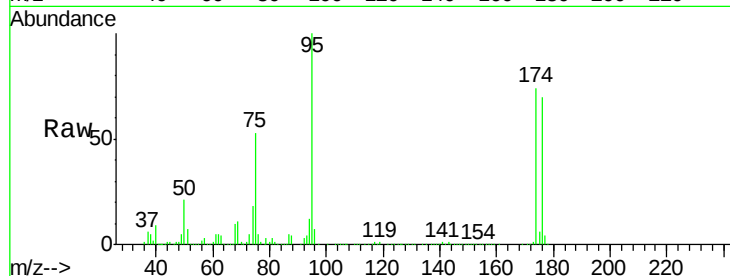
Tot Ion: 75 Resp: 111394

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

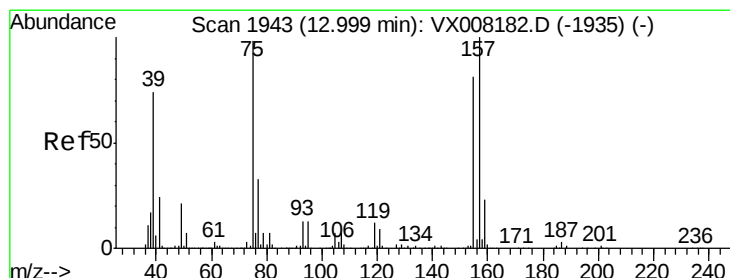
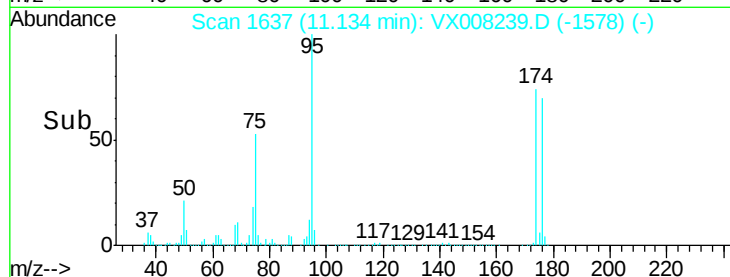
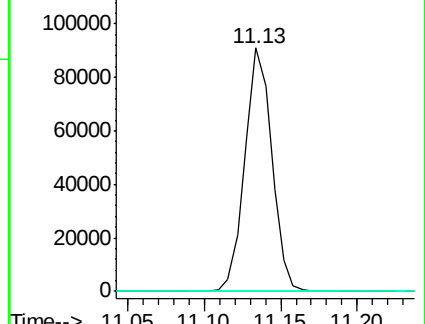
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.201 ug/l

RT: 13.01 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VX008239.D

Acq: 20 Mar 2019 14:00

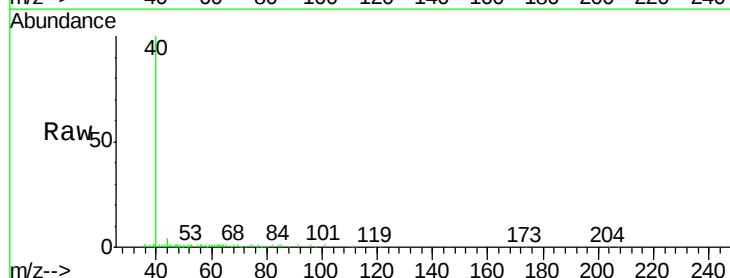
Tgt Ion: 75 Resp: 266

Ion Ratio Lower Upper

75 100

155 0.0 49.7 149.1#

157 0.0 63.8 191.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

